

Recombinant human Tubulin beta-2A chain

Catalog No: #AP72830



Package Size: #AP72830-1 20ug #AP72830-2 100ug #AP72830-3 1mg

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Description

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| Product Name | Recombinant human Tubulin beta-2A chain |
| Brief Description | Recombinant Protein |
| Host Species | Yeast |
| Purification | Greater than 90% as determined by SDS-PAGE. |
| Immunogen Description | Expression Region:1-445aaSequence Info:Full Length |
| Other Names | Tubulin beta class IIa |
| Accession No. | Q13885 |
| Uniprot | Q13885 |
| GeneID | 7280; |
| Calculated MW | 51.9 kDa |
| Tag Info | N-terminal 6xHis-tagged |
| Target Sequence | MREIVHIQAGQCGNQIGAKFWEVISDEHGIDPTGSYHGSDSLQLERINVYYNEAAGNKYVPRAILVDLEPGTM DSVRSRGGPFGQIFRPDNFVFGQSGAGNNWAKGHYTEGAELVDSVLDVVRKESESCDCLQGFQLTHSLGGGTG SGMGTLLISKIREEYPDRIMNTFSVMPSPKVSDTVVEPYNATLSVHQLVENTDETYSIDNEALYDICFRTLKLT PTYGDLNHLVSATMSGVTTCLRFPGQLNADLRKLAVMVFPRLHFFMPGFAPLTSRGSQQYRALVPELTQ QMFDSKNMMAACDPRHGRYLTVAAIFRGRMSMKEVDEQMLNVQKNSSYFVEWIPNNVKTAVCDIPRGLK MSATFIGNSTAIQELFKRISEQFTAMFRRKAFLHWYTGEGMDEMEFTEAESNMNDLVSEYQQYQDATADEQ EFEEEEGEDEA |
| Formulation | Tris-based buffer50% glycerol |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

Background

Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha chain .

References

De novo mutations in the beta-tubulin gene TUBB2A cause simplified gyral patterning and infantile-onset epilepsy.Cushion T.D., Paciorkowski A.R., Pilz D.T., Mullins J.G., Seltzer L.E., Marion R.W., Tuttle E., Ghoneim D., Christian S.L., Chung S.K., Rees M.I., Dobyns W.B.Am. J. Hum. Genet. 94:634-641(2014)Research Topic:Signal Transduction

Note: This product is for in vitro research use only